



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 19 82 28 86

Classification of the application (IPC):
A61B 8/00, A61B 8/08, G16H 30/20, G16H 50/20

Technical fields searched (IPC):
G16H

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	US 2018021022 A1 (LUNDBERG ANDREW [US] ET AL) 25 January 2018 (2018-01-25) * paragraph [0002] - paragraph [0005] * * paragraph [0010] - paragraph [0011] * * paragraph [0020] - paragraph [0023] * * paragraph [0028] - paragraph [0030] * * paragraph [0042] * * paragraph [0032] - paragraph [0033] *	1-15
X	US 2016210511 A1 (LEONG DAVID L [US] ET AL) 21 July 2016 (2016-07-21) * paragraph [0015] - paragraph [0022] * * paragraph [0030] - paragraph [0036] * * claim 20; figure 1 *	1-15
X	EP 0984298 A2 (YOKOGAWA MEDICAL SYST [JP]) 08 March 2000 (2000-03-08) * paragraph [0011]; claims 1-5 *	1-15
X	WO 2010038172 A1 (KONINKL PHILIPS ELECTRONICS NV [NL] ET AL.) 08 April 2010 (2010-04-08) * figure 4 *	1-15
A	ROCHA THIAGO S ET AL: "Flexible needles detection in ultrasound images using a multi-layer perceptron network" <i>5TH ISSNIP-IEEE BIOSIGNALS AND BIROBOTICS CONFERENCE (2014): BIOSIGNALS AND ROBOTICS FOR BETTER AND SAFER LIVING (BRC), IEEE</i> , 26 May 2014 (2014-05-26), DOI: 10.1109/BRC.2014.6880999, pages 1-5, XP032630052 * the whole document *	1-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 17 February 2022	Examiner Megalou-Nash, M
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 17-02-2022
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